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Applies Number	09/975,870
Filing Date	10/12/2001
First Named Inventor	DuBose, Ronald Arthur
Group Art Unit	1724
Examiner Name	Bobert H. Spitzer
Attorney Docket Number	ETAC1

				U.S. PATENT DOC	UMENTS	
Examiner Initials	Code No.1	U.S. Patent I Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
15HP		2,038,071		Wilhelm	04-21-1936	
34		3,112,184		Hollenbach	11-26-1963	
1945		3,176,446		Siggelin	04-06-1965	
159R		3,455,743		Huebscher et al.	07-15-1969	
JF#7.		3,516,867		Dankese	06-23-1970	
DHR.		3,607,133		Hirao et al.	09-21-1971	
\$47Z		3,666,007		Yoshino et al.	05-30-1972	
PHS		3,669,751		Richman	06-13-1972	
29HS		3,844,737		Macriss et al.	10-29-1974	
PH		3,865,924		Gidaspow et al.	02-11-1975	
1245		3,925,021		Yoshino et al.	12-09-1975	
独		3,945,844		Nickols, Jr.	03-23-1976	
SH2		3,958,058		Elmer	05-18-1976	
ZHT.		4,012,206		Macriss et al.	03-15-1977	
PH5		4,037,024		Landau	07-19-1977	
P45		4,075,396		Grehier	02-21-1978	
341 2		4,093,435		Marron et al.	06-06-1978	
2445		4,125,408		Pieper	11-14-1978	
P45		4,134,743		Macriss et al.	01-16-1979	
54F2		4,206,722		Nolley, Jr.	06-10-1980	

	FOREIGN PATENT DOCUMENTS										
			Foreign Patent Docum			Date of	Pages, Columns, Lines, Where Relevant				
Examiner Initials ¹	Code No. ¹	Office ³	Number 4	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Publication of Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	Τ°			
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Examiner Signature	Robert H. Spitzer	Date Considered	Splenber 15,2003

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Fischer, Jr.

Abrams et al.

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Application Number 09/975,870 10/12/2001 Filing Date First Named Inventor DuBose, Ronald Arthur 1724 Robert H. Group Art Unit **Examiner Name**

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4,769,053

4,824,740

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

Attorney Docket Number ETAC1

			U.S. PATENT DOC	CUMENTS	
Code No.1	U.S. Patent I Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	4,255,171		Dravnieks	03-10-1981	
	4,276,071		Outland	06-30-1981	
	4,298,059		Krauth et al.	11-03-1981	
	4,324,564		Oliker	04-13-1982	
	4,343,631		Ciliberti	08-10-1982	
	4,364,760		Higuchi et al.	12-21-1982	
	4,364,761	-	Berg et al.	12-21-1982	
	4,398,927		Asher et al.	08-16-1983	
	4,402,717		Izumo et al.	09-06-1983	
	4,403,017		Bind	09-06-1983	
	4,404,007		Tukao et al.	09-13-1983	
	4,417,908		Pitcher, Jr.	11-29-1983	
	4,452,612		Mattia	06-05-1984	
	4,589,892		Leonard	05-20-1986	
	4,594,860		Coellner et al.	06-17-1986	
	4,695,301		Okajima et al.	09-22-1987	
	4,718,926		Nakamoto et al.	01-12-1988	
	4,732,593		Kondo et al.	03-22-1988	
		Code No. 1 Number 4,255,171 4,276,071 4,298,059 4,324,564 4,343,631 4,364,760 4,364,761 4,398,927 4,402,717 4,404,007 4,417,908 4,452,612 4,589,892 4,594,860 4,695,301 4,718,926	No.1 Code ² (if known) 4,255,171 4,276,071 4,298,059 4,324,564 4,343,631 4,364,760 4,364,761 4,398,927 4,402,717 4,403,017 4,404,007 4,417,908 4,452,612 4,589,892 4,594,860 4,695,301 4,718,926	U.S. Patent Document Number Kind Code² (if known) Name of Patentee or Applicant of Cited Document	Code No. I Number Kind Code ² (if known) Name of Patentee or Applicant of Cited Document Date of Publication of Cited Document MM-DD-YYYY 4,255,171 Dravnieks 03-10-1981 4,276,071 Outland 06-30-1981 4,298,059 Krauth et al. 11-03-1981 4,324,564 Oliker 04-13-1982 4,343,631 Ciliberti 08-10-1982 4,364,760 Higuchi et al. 12-21-1982 4,364,761 Berg et al. 12-21-1982 4,398,927 Asher et al. 08-16-1983 4,402,717 Izumo et al. 09-06-1983 4,403,017 Bind 09-06-1983 4,404,007 Tukao et al. 09-13-1983 4,417,908 Pitcher, Jr. 11-29-1983 4,589,892 Leonard 05-20-1986 4,594,860 Coellner et al. 06-17-1986 4,695,301 Okajima et al. 01-12-1988

	FOREIGN PATENT DOCUMENTS									
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09-06-1988

04-25-1989

Examiner Robert H. Spitzer	Date Considered	Splember 15,2008
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Application Number 09/975,870

Filing Date 10/12/2001

First Named Inventor DuBose, Ronald Arthur

Group Art Unit 1724

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5HZ		4,846,855		Tsujimoto	07-11-1989	
研		4,856,577		Katsu et al.	08-15-1989	· · · · · · · · · · · · · · · · · · ·
542		4,871,607		Kuma et al.	10-03-1989	
1 ₩		5,057,128		Panzica et al.	10-15-1991	
P#5		5,147,420		Claesson	09-15-1992	
24 2		5,158,582		Onitsuka et al.	10-27-1992	
285		5,169,414		Panzica et al.	12-08-1992	
PH		5,194,154		Moyer et al.	03-16-1993	
₹#1 2		5,230,719		Berner et al.	07-27-1993	
2# 2		5,275,771		Bush et al.	01-04-1994	
PHS		5,512,083		Dunne	04-30-1996	
P4.5		5,542,259		Worek et al.	08-06-1996	
SH)		5,542,968		Belding et al.	08-06-1996	
24 2		5,702,508		Moratalla	12-30-1997	
₹+ ₽		5,846,899		Kumazawa et al.	12-08-1998	
SHE		5,937,933		Steele et al.	08-17-1999	
PHF		6,013,385		DuBose	01-11-2000	
24 5		6,080,227		Kurosawa et al.	06-27-2000	
245		6,210,626		Cornelius et al.	04-03-2001	
B42		6,274,259		Grasso et al.	08-14-2001	

			FOREIGN	PATENT DOCUMENT	'S		
		Foreign Patent Docur	ment		D	Pages, Columns, Lines,	
Examiner Initials ¹	Office ³	Number 4	Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ⁶
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Application Number 09/975,870 Substitute for form 1449B/PTO 10/12/2001 Filing Date INFORMATION DISCLOSURE DuBose, Ronald Arthur First Named Inventor STATEMENT BY APPLICANT 1724 Group Art Unit Examiner Name **Kobert** (use as many sheets as necessary) Attorney Docket Number Sheet of

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials ¹	Code No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, paper(s), volume-issue number)s), publisher, city and/or county where published.	T ²
1245		RONALD ARTHUR DUBOSE, Fuel Cell Engine Stream Conditioning System, U.S. Patent Application No. 09/447,764, Filed 11/23/1999.	
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Examiner Signature	Robort H. Spitzer	Date Considered	Sptember 15, 2003

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